3121 SW Moody Avenue, Suite 200 | Portland, OR 97239 | 971 544 2139 | www.maulfoster.com

July 16, 2009 Project No. 8128.01.20

Mr. Dana Bayuk Oregon Department of Environmental Quality 2020 SW 4th Avenue Portland, Oregon

Re: Monthly Progress Report – June 2009

Siltronic Corporation

7200 NW Front Avenue, Portland, OR

ECSI #183

Dear Dana:

Maul Foster & Alongi, Inc. (MFA) has prepared this progress report (Report) in accordance with the requirements of the *Order Requiring Remedial Investigation (RI) and Source Control Measures* (the Order), Oregon Department of Environmental Quality (DEQ) No. VC-NWR-03-16, issued to Siltronic Corporation (Siltronic) on February 9, 2004. The reporting period for this Report is June 1, 2009, through June 30, 2009. The next report is due August 10, 2009.

The report organization follows that of the previous progress reports.

ACTIONS TAKEN UNDER THE ORDER SINCE THE PREVIOUS PROGRESS REPORT

Communications and Submittals

On June 16, 2009, Siltronic and its representatives met with DEQ to discuss and develop an alternative approach for monitoring the performance and evaluating the effectiveness of the enhanced *in situ* bioremediation (EIB) remedy. The discussion was summarized by DEQ in a subsequent email dated June 17, 2009.

On June 30, MFA submitted the EIB Performance/Effectiveness Plan (PEP) consistent with the discussion during the June 16th meeting.

Fieldwork

EIB injections in the primary source area continued throughout June. The EHC injections were completed in June, and the KB-1 injections were completed on July 14.

The third round of sampling for the Group 3 performance monitoring wells (PMWs) (i.e., downgradient of Fab 1) commenced during the last week of June.

Monthly water levels were collected on June 9, 2009, as shown on Table 1.1

ACTIONS TO BE TAKEN IN THE NEXT TWO MONTHS

Groundwater elevations and DNAPL thickness measurements² will be collected in July.

Performance monitoring will continue in July.

Contingent upon DEQ comments regarding the PEP, Siltronic anticipates submitting the Performance Monitoring Plan (PMP) in July or August.

TEST RESULTS AND DATA RECEIVED SINCE THE PREVIOUS PROGRESS REPORT

MFA has received a subset of the third round of samples from Group 3. These data will be included in the PMP, contingent upon receipt schedules.

PROBLEMS EXPERIENCED SINCE THE PREVIOUS PROGRESS REPORT

MFA's injection subcontractor reported continuing difficulty during angled injection under the pipe bridge. Utility density in the western PRB has resulted in significantly limited access requiring increased per-interval injection volumes to maintain the approved EHC to soil mass ratio.

Please call either of us at (971) 544-2139 if you have questions or comments.

Sincerely,

Maul Foster & Alongi, Inc.

James G.D. Peale, RG

Senior Hydrogeologist

Ted Wall, PE

Principal Engineer

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¹ Table includes monthly water levels from January 2009 through May 2009; water levels from preceding years have previously been submitted.

² In an email dated July 1, 2009, DEQ requested that this progress report include all DNAPL measurements collected from the PMWs. Initial DNAPL screening following installation (but before well development) was completed in the Group 1 and 2 wells and suggested the presence of MGP DNAPL in some wells. No additional screening has occurred to date; the MGP DNAPL observations will be included with the DNAPL screening results in the next progress report.

Attachment: Table 1

cc: Tom McCue, Siltronic Corporation (electronic and hard copy)

Alan Gladstone, Davis Rothwell Earle and Xochihua (electronic and hard copy)

Chris Reive, Jordan Schrader Ramis (electronic and hard copy)

Jim Anderson, DEQ (electronic) Kristine Koch, EPA (electronic)

Sean Sheldrake, EPA Seattle (electronic) Rene Fuentes, EPA Seattle (electronic)

Eric Blischke, EPA Portland (electronic)

Chip Humphrey, EPA Portland (electronic)

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Table 1
Groundwater Elevations
January 2009 - June 2009
Siltronic Corporation
Portland, Oregon

PERIOD: From 01/02/2009 thru 06/09/2009 - Inclusive

		MP		DEPTH TO	DELTA WATER	WATER
SITE	DATE	ELEVATION	TIME	WATER	ELEV	ELEV.
		(feet)		(feet)	(feet)	(feet)
WS-10-27	1/2/2009	33.45	16:29	15.76	NA	17.69
WS-10-27	2/27/2009	33.45	15:27	13.71	2.05	19.74
WS-10-27	4/15/2009	33.45	13:32	12.83	0.88	20.62
WS-10-27	5/15/2009	33.45	15:55	13.14	-0.31	20.31
WS-10-27	6/9/2009	33.45	12:06	13.49	-0.35	19.96
	0/0/2000	00.10	12.00	10.10	0.00	10.00
WS-11-125	1/2/2009	31.98	11:16	19.92	NA	12.06
WS-11-125	2/27/2009	31.98	10:11	24.36	-4.44	7.62
WS-11-125	4/15/2009	31.98	8:47	22.67	1.69	9.31
WS-11-125	5/15/2009	31.98	8:59	22.81	-0.14	9.17
WS-11-125	6/9/2009	31.98	9:18	19.42	3.39	12.56
WS-11-161	1/2/2009	32.00	11:15	19.90	NA	12.10
WS-11-161	2/27/2009	32.00	10:10	24.37	-4.47	7.63
WS-11-161	4/15/2009	32.00	8:46	22.65	1.72	9.35
WS-11-161	5/15/2009	32.00	8:56	22.80	-0.15	9.20
WS-11-161	6/9/2009	32.00	9:16	19.41	3.39	12.59
WS-12-125	1/2/2009	32.91	11:05	20.89	NA	12.02
WS-12-125	2/27/2009	32.91	10:01	25.24	-4.35	7.67
WS-12-125	4/15/2009	32.91	8:36	23.61	1.63	9.30
WS-12-125	5/15/2009	32.91	9:08	23.72	-0.11	9.19
WS-12-125	6/9/2009	32.91	9:13	20.40	3.32	12.51
=						
WS-12-161	1/2/2009	32.92	11:03	20.88	NA	12.04
WS-12-161	2/27/2009	32.92	10:00	25.24	-4.36	7.68
WS-12-161	4/15/2009	32.92	8:34	23.60	1.64	9.32
WS-12-161	5/15/2009	32.92	8:50	23.70	-0.10	9.22
WS-12-161	6/9/2009	32.92	9:12	20.31	3.39	12.61
WS-13-105	2/27/2009	33.30	15:52	24.82	NA	8.48
WS-13-105	4/15/2009	33.30	13:07	23.22	1.60	10.08
WS-13-105	5/15/2009	33.30	15:13	23.07	0.15	10.23
WS-13-105	6/9/2009	33.30	11:53	20.05	3.02	13.25
WS-13-69	2/27/2009	33.32	15:53	24.05	NA	9.27
WS-13-69	4/15/2009	33.32	13:09	23.43	0.62	9.89
WS-13-69	5/15/2009	33.32	15:15	22.47	0.96	10.85
WS-13-69	6/9/2009	33.32	11:54	20.08	2.39	13.24
WS-14-125	1/2/2009	32.21	14:30	19.98	NA	12.23
WS-14-125	2/27/2009	32.21	11:43	24.92	-4.94	7.29
WS-14-125	4/15/2009	32.21	10:01	22.73	2.19	9.48
WS-14-125 WS-14-125	5/15/2009	32.21	11:34	22.73	-0.21	9.48
WS-14-125	6/9/2009	32.21	10:10	19.68	3.26	12.53
VVO-14-120	0/3/2003	JZ.Z I	10.10	19.00	3.20	12.00
WS-14-161	1/2/2009	32.27	14:28	20.00	NA	12.27
WS-14-161	2/27/2009	32.27	11:41	24.95	-4.95	7.32

MP - Measuring Point

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Table 1 Groundwater Elevations January 2009 - June 2009 Siltronic Corporation Portland, Oregon

PERIOD: From 01/02/2009 thru 06/09/2009 - Inclusive

SITE		MP		DEPTH TO	DELTA WATER	WATER
	DATE	ELEVATION (feet)	TIME	WATER	ELEV	ELEV.
	57.1.2			(feet)	(feet)	(feet)
NS-14-161	4/15/2009	32.27	9:59	22.76	2.19	9.51
WS-14-161	5/15/2009	32.27	11:06	22.98	-0.22	9.29
WS-14-161	6/9/2009	32.27	10:08	19.71	3.27	12.56
W3-14-101	0/3/2003	32.21	10.00	19.71	5.21	12.30
WS-15-140	1/2/2009	33.02	15:07	20.75	NA	12.27
WS-15-140	2/27/2009	33.02	12:54	25.44	-4.69	7.58
WS-15-140	4/15/2009	33.02	10:24	23.25	2.19	9.77
WS-15-140	5/15/2009	33.02	11:53	23.09	0.16	9.93
WS-15-140	6/9/2009	33.02	10:24	20.24	2.85	12.78
WS-15-85	1/2/2009	32.98	15:09	21.89	NA	11.09
WS-15-85	2/27/2009	32.98	12:56	23.94	-2.05	9.04
WS-15-85	4/15/2009	32.98	10:26	23.74	0.20	9.24
WS-15-85	5/15/2009	32.98	11:55	21.99	1.75	10.99
WS-15-85	6/9/2009	32.98	10:26	19.61	2.38	13.37
WS-16-125	1/2/2009	32.93	14:23	20.78	NA	12.15
WS-16-125	2/27/2009	32.93	12:48	25.69	-4.91	7.24
WS-16-125	4/15/2009	32.93	10:18	23.47	2.22	9.46
WS-16-125	5/15/2009	32.93	11:47	23.59	-0.12	9.34
WS-16-125	6/9/2009	32.93	10:20	20.47	3.12	12.46
WS-16-161	1/2/2009	33.03	14:21	20.73	NA	12.30
WS-16-161	2/27/2009	33.03	12:47	25.60	-4.87	7.43
WS-16-161	4/15/2009	33.03	10:16	23.37	2.23	9.66
WS-16-161	5/15/2009	33.03	11:46	23.57	-0.20	9.46
WS-16-161	6/9/2009	33.03	10:19	20.59	2.98	12.44
	. /0 /0.00					
WS-17-52	1/2/2009	33.68	16:20	20.49	NA	13.19
WS-17-52	2/27/2009	33.68	15:06	20.08	0.41	13.60
WS-17-52	4/15/2009	33.68	13:19	19.72	0.36	13.96
WS-17-52	5/15/2009	33.68	15:45	19.19	0.53	14.49
WS-17-52	6/9/2009	33.68	12:01	18.47	0.72	15.21
WS-17-94	1/2/2009	33.78	16:17	21.94	NA	11.84
WS-17-94 WS-17-94	2/27/2009	33.78	15:04	25.42	-3.48	8.36
WS-17-94 WS-17-94	4/15/2009	33.78	13:17	23.64	1.78	10.14
WS-17-94	5/15/2009	33.78	15:43	23.39	0.25	10.39
WS-17-94 WS-17-94	6/9/2009	33.78	11:59	20.66	2.73	13.12
	3/3/2003	55.76	11.00	20.00	2.13	13.12
WS-18-101	1/2/2009	33.98	15:58	22.41	NA	11.57
WS-18-101	2/27/2009	33.98	14:16	24.88	-2.47	9.10
WS-18-101	4/15/2009	33.98	11:44	24.23	0.65	9.75
WS-18-101	5/15/2009	33.98	14:15	23.54	0.69	10.44
WS-18-101	6/9/2009	33.98	11:34	19.82	3.72	14.16
WS-18-71	1/2/2009	33.93	16:00	22.43	NA	11.50
WS-18-71	2/27/2009	33.93	14:19	24.32	-1.89	9.61

MP - Measuring Point

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Table 1 Groundwater Elevations January 2009 - June 2009 Siltronic Corporation Portland, Oregon

PERIOD: From 01/02/2009 thru 06/09/2009 - Inclusive

		MP		DEPTH TO	DELTA WATER	WATER ELEV. (feet)
SITE	DATE	ELEVATION	TIME	WATER	ELEV	
		(feet)		(feet)	(feet)	
WS-18-71	4/15/2009	33.93	11:46	23.74	0.58	10.19
WS-18-71	5/15/2009	33.93	14:17	22.56	1.18	11.37
WS-18-71	6/9/2009	33.93	11:36	20.51	2.05	13.42
WS-19-101	1/2/2009	33.79	16:03	22.95	NA	10.84
WS-19-101	2/27/2009	33.79	14:28	25.43	-2.48	8.36
WS-19-101	5/15/2009	33.79	14:22	23.49	1.94	10.30
WS-19-101	6/9/2009	33.79	11:41	20.32	3.17	13.47
WS-19-71	1/2/2009	33.74	16:05	22.61	NA	11.13
WS-19-71	2/27/2009	33.74	14:23	24.21	-1.60	9.53
WS-19-71	5/15/2009	33.74	14:27	22.73	1.48	11.01
WS-19-71	6/9/2009	33.74	11:43	20.35	2.38	13.39
WS-20-112	1/2/2009	32.09	11:20	19.81	NA	12.28
WS-20-112	2/27/2009	32.09	10:13	23.82	-4.01	8.27
WS-20-112	4/15/2009	32.09	8:50	22.13	1.69	9.96
WS-20-112	5/15/2009	32.09	14:27	22.21	-0.08	9.88
WS-20-112	6/9/2009	32.09	9:22	19.06	3.15	13.03
WS-21-112	1/2/2009	34.47	13:38	21.46	NA	13.01
WS-21-112	2/27/2009	34.47	11:02	26.04	-4.58	8.43
WS-21-112	4/15/2009	34.47	9:25	24.16	1.88	10.31
WS-21-112	5/15/2009	34.47	10:05	24.16	0.00	10.31
WS-21-112	6/9/2009	34.47	9:45	21.08	3.08	13.39
WS-22-112	1/2/2009	33.51	13:00	20.37	NA	13.14
WS-22-112	2/27/2009	33.51	11:06	25.08	-4.71	8.43
WS-22-112	4/15/2009	33.51	9:28	23.09	1.99	10.42
WS-22-112	5/15/2009	33.51	10:36	23.09	0.00	10.42
WS-22-112	6/9/2009	33.51	9:48	20.61	2.48	12.90
WS-8-33	1/2/2009	32.96	10:55	25.36	NA	7.60
WS-8-33	2/27/2009	32.96	9:54	26.61	-1.25	6.35
WS-8-33	4/15/2009	32.96	8:31	24.85	1.76	8.11
WS-8-33	5/15/2009	32.96	8:43	23.39	1.46	9.57
WS-8-33	6/9/2009	32.96	9:06	20.98	2.41	11.98
WS-8-59	1/2/2009	32.84	11:00	21.20	NA	11.64
WS-8-59	2/27/2009	32.84	9:56	25.26	-4.06	7.58
WS-8-59	4/15/2009	32.84	8:32	23.67	1.59	9.17
WS-8-59	5/15/2009	32.84	8:45	23.67	0.00	9.17
WS-8-59	6/9/2009	32.84	9:08	20.36	3.31	12.48
WS-9-34	1/2/2009	32.28	10:45	22.62	NA	9.66
WS-9-34	2/27/2009	32.28	9:45	24.30	-1.68	7.98
WS-9-34	4/15/2009	32.28	8:22	22.44	1.86	9.84
WS-9-34	5/15/2009	32.28	8:33	21.61	0.83	10.67

MP - Measuring Point

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Table 1 Groundwater Elevations January 2009 - June 2009 Siltronic Corporation Portland, Oregon

PERIOD: From 01/02/2009 thru 06/09/2009 - Inclusive

				DEPTH	DELTA	
		MP		TO	WATER	WATER
SITE	DATE	ELEVATION	TIME	WATER	ELEV	ELEV.
		(feet)		(feet)	(feet)	(feet)
WS-9-34	6/9/2009	32.28	8:58	20.22	1.39	12.06

MP - Measuring Point